What is claimed is:

- 1 1. An image processing apparatus for transmitting and receiving
- 2 data to/from an external apparatus that has a storage apparatus,
- 3 the image processing apparatus comprising:
- 4 a first data acquiring unit that acquires image data
- 5 to be subjected to image processing;
- 6 a storage unit that stores the acquired image data;
- 7 a transmission unit that transmits the acquired image
- 8 data to the external apparatus so that the transmitted image
- 9 data is stored in the storage apparatus thereof;
- 10 a judgment unit that judges, prior to commencement
- 11 of the image processing, whether the image data is stored in
- 12 the storage unit;
- a second data acquiring unit that acquires the image
- 14 data from the external apparatus if the judgment unit judges
- 15 negatively; and
- an image processing unit that executes the image
- 17 processing using the image data stored in the storage unit if
- 18 the judgment unit judges positively, and executes the image
- 19 processing using the image data acquired by the second data
- 20 acquiring unit if the judgment unit judges negatively.
- 1 2. The image processing apparatus of Claim 1 further comprising
- a deletion instructing unit that, after the image
- 3 processing is completed, sends to the external apparatus an
- 4 instruction to delete the image data from the storage apparatus.

- 1 3. The image processing apparatus of Claim 1, wherein
- the transmission unit transmits the acquired image
- 3 data page by page to the external apparatus.
- 1 4. The image processing apparatus of Claim 3, wherein
- 2 the storage unit has a capacity only sufficient to store
- 3 one page of the image data, and
- 4 each time the image processing unit completes image
- 5 processing for one page of the image data stored in the storage
- 6 unit, the second data acquiring unit acquires from the external
- 7 apparatus another one page of the image data to be subjected
- 8 to the image processing next.
- 1 5. The image processing apparatus of Claim 1 further comprising
- 2 a memory that stores information regarding progress
- 3 of the image processing, wherein
- 4 when executing the image processing using the image
- 5 data acquired by the second data acquiring unit, the image
- 6 processing unit refers to the information stored in the memory
- 7 and executes the image processing for a part of the image data
- 8 that has not been subjected to the image processing yet.
- 1 6. The image processing apparatus of Claim 5, wherein
- 2 the information stored in the memory indicates pages
- 3 of the image data that have already been subjected to the image
- 4 processing.

- 1 7. The image processing apparatus of Claim 5, wherein
- 2 the memory is a nonvolatile memory.
- 1 8. The image processing apparatus of Claim 1, wherein
- the external apparatus functions as a mail server,
- 3 the transmission unit transmits to the external
- 4 apparatus an electronic mail addressed to the image processing
- 5 apparatus and containing the acquired image data, and
- 6 the second data acquiring unit, if the judgment unit
- 7 judges negatively, acquires the electronic mail from the external
- 8 apparatus and extracts the image data from the acquired
- 9 electronic mail.
- 1 9. The image processing apparatus of Claim 8, wherein
- the transmission unit converts the acquired image data
- 3 into Tag Image File Format, and transmits to the external
- 4 apparatus an electronic mail addressed to the image processing
- 5 apparatus and containing the image data having been converted
- 6 into Tag Image File Format, as an attached file.
- 1 10. The image processing apparatus of Claim 1, wherein
- 2 the storage unit is a volatile memory.
- 1 11. The image processing apparatus of Claim 1, wherein
- the judgment unit judges whether the image data is
- 3 stored in the storage unit each time power is turned on and/or
- 4 each time the image processing apparatus recovers from a power

- 5 failure.
- 1 12. The image processing apparatus of Claim 11 further
- 2 comprising:
- a reception unit that receives image processing jobs
- 4 each of which contains information specifying a start time at
- 5 which an image processing job is to be subjected to the image
- 6 processing; and
- 7 a start time judging unit that judges, each time power
- 8 is turned on and/or each time the image processing apparatus
- 9 recovers from a power failure, whether any of the image processing
- 10 jobs received by the reception unit has a start time that has
- 11 already reached, wherein
- if the judgment unit judges negatively, and if there
- is an image processing job that has been judged by the start
- 14 time judging unit as having a start time that has already reached,
- 15 the second data acquiring unit acquires image data for the image
- 16 processing job from the external apparatus earlier than image
- 17 data for the remaining image processing jobs received by the
- 18 reception unit.
- 1 13. The image processing apparatus of Claim 1, wherein
- 2 the image processing is an image forming process.
- 1 14. The image processing apparatus of Claim 1, wherein
- 2 the image processing is a fax transmission process.

- 1 15. The image processing apparatus of Claim 1, wherein
- the first data acquiring unit is a receiving unit that
- 3 receives print data from an external terminal connected with
- 4 the image processing apparatus via a network.
- 1 16. The image processing apparatus of Claim 1, wherein
- the first data acquiring unit is a fax receiving unit
- 3 that receives fax data from an external fax apparatus.
- 1 17. An image processing method for use in an image processing
- 2 apparatus that is operable to transmit and receive data to/from
- 3 an external apparatus that has a storage apparatus, the image
- 4 processing method comprising:
- a first data acquiring step for acquiring image data
- 6 to be subjected to image processing;
- 7 a storage step for storing the acquired image data;
- 8 a transmission step for transmitting the acquired image
- 9 data to the external apparatus so that the transmitted image
- 10 data is stored in the storage apparatus;
- a judgment step for judging, prior to commencement
- 12 of the image processing, whether the image data is stored in
- 13 the storage unit;
- 14 a second data acquiring step for acquiring the image
- 15 data from the external apparatus if the judgment unit judges
- 16 negatively; and
- an image processing step for executing the image
- 18 processing using the image data stored in the storage unit if

- 19 the judgment unit judges positively, and executing the image
- 20 processing using the image data acquired by the second data
- 21 acquiring unit if the judgment unit judges negatively.
- 1 18. A program that is run in an image processing apparatus that
- 2 is operable to transmit and receive data to/from an external
- 3 apparatus that has a storage apparatus, the program causing the
- 4 image processing apparatus to execute:
- 5 a first data acquiring step for acquiring image data
- 6 to be subjected to image processing;
- 7 a storage step for storing the acquired image data;
- 8 atransmission step for transmitting the acquired image
- 9 data to the external apparatus so that the transmitted image
- 10 data is stored in the storage apparatus;
- a judgment step for judging, prior to commencement
- 12 of the image processing, whether the image data is stored in
- 13 the storage unit;
- 14 a second data acquiring step for acquiring the image
- 15 data from the external apparatus if the judgment unit judges
- 16 negatively; and
- an image processing step for executing the image
- 18 processing using the image data stored in the storage unit if
- 19 the judgment unit judges positively, and executing the image
- 20 processing using the image data acquired by the second data
- 21 acquiring unit if the judgment unit judges negatively.